LUCA MENGHINI

I am mainly working in the area of occupational health psychology, workplace stress, psychophysiology of stress, recovery & sleep quality. I am mainly interested in research methods to assess sources of stress (e.g., workload) and psychophysiological responses (e.g., mood, heart rate variability) in real time, in participants' natural environment.

RESEARCH EXPERIENCE Postdoctoral Research Fellow present O Bologna, IT Department of Psychology, University of Bologna 2021 • Research Project: State workaholism as a predictor of daily fluctuations in blood pressure, emotional exhaustion, and sleep quality • Supervisor: Prof. Cristian Balducci Visiting Research Fellow 2020 • Menlo Park, CA, USA Human Sleep Research Program, SRI International • Validity of consumer sleep technology compared to laboratory PSG, daily reciprocal relationships between stress and sleep among adolescents • Supervisor: Massimiliano de Zambotti PhD Research Consultant 2019 Milan, IT Consorzio per il Trasferimento Tecnologico C2T • Assessing the role of physical workspace features in employees' health & wellbeing • Supervisor: Chiara Veneziani PhD **₹** EDUCATION PhD Candidate in Psychological Sciences 2020 • Padova, IT PsychoPhysiology Lab, University of Padova 2017 • Thesis: Workplace stress in real time: Towards the psychophysiological assessment of stressors and strain under ecological conditions • Supervisors: Prof. Michela Sarlo, Prof. Massimiliano Pastore MS cum laude in Work, Social & Communication Psychology 2016 • Padova, IT University of Padova 2014 • Thesis: A psychophysiological protocol for workplace stress risk assessment • Supervisor: Prof. Michela Sarlo BS cum laude in Social & Work Psychology 2014 • Padova, IT University of Padova 2011 • Thesis: Biofeedback training for stress management in organizational contexts • Supervisor: Prof. Laura Dal Corso

CONTACT INFO

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- **y** LucaMenghiniPsy
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- in linkedin.com/in/lucamenghini

SOFTWARE SKILLS

R packages: Rmarkdown, lme4, lavaan, ggplot2, tidyr, shiny

Other data analysis: MPLUS

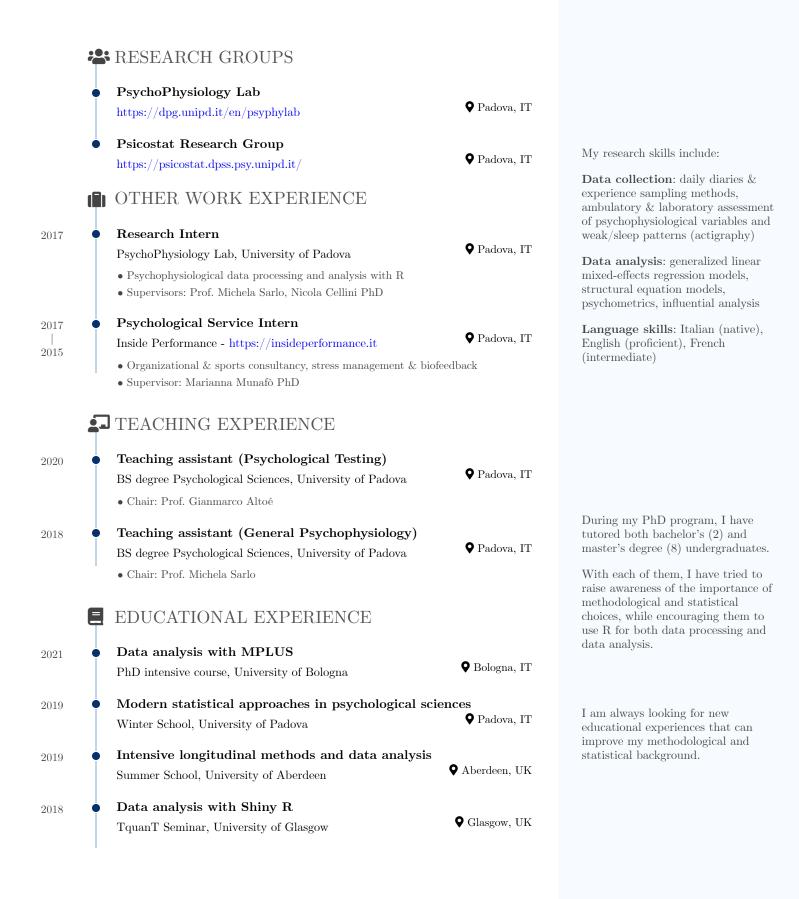
Signal Processing: ARTiiFACT, Kubios HRV, Actiware, R

Data collection: Qualtrics

Made with the R package pagedown.

The source code is available on github.com/nstrayer/cv.

Last updated on 2021-03-15.





PEER-REWIEVED PUBLICATIONS

Menghini, L., Yuksel, D., Goldstone, A., Baker, F. C., & de Zambotti, M. (Accepted 2021). Performance of Fitbit Charge 3 against polysomnography in measuring sleep in adolescent boys and girls. *Chronobiology International*

Menghini, L., Cellini, N., Goldstone, A., Baker, F. C., & de Zambotti, M. (2021) A standardized framework for testing the performance of sleep-tracking technology: Step-by-step guidelines and open-source code. Sleep, zsaa170 https://doi.org/10.1093/sleep/zsaa170

de Zambotti, M., Cellini, N., **Menghini, L.**, Sarlo, M., & Baker, F. C. (2020). Sensors Capabilities, Performance, and Use of Consumer Sleep Technology. *Sleep Medicine Clinics*, 15(1), 1-30. https://doi.org/10.1016/j.jsmc.2019.11.003

Cellini, N., Menghini, L., Mercurio, M., Vanzetti, V., Bergamo, D., & Sarlo, M. (2020). Sleep quality and quantity in Italian University students: an actigraphic study. *Chronobiology International*, 1-14. https://doi.org/10.1080/07420528.2020.1773494

Menghini, L., Gianfranchi, E., Cellini, N., Patron, E., Tagliabue, M., & Sarlo, M. (2019). Stressing the accuracy: Wrist-worn wearable sensor validation over different conditions. Psychophysiology, 56(11), e13441. https://doi.org/10.1111/psyp.13441



Menghini, L., Cellini, N., Goldstone, A., Baker, F. C., & de Zambotti, M. (2020). Analytical pipeline and functions for testing the performance of sleep-tracking technology v1.0.0. https://doi.org/10.5281/ZENODO.3762086

Lucal May Line

I hereby authorize the use of my personal data in accordance to the GDPR 679/16 "European regulation on the protection of personal data".

CERTIFICATIONS:

2017: Acadamic IELTS (English) score: lv C1, issued by British Council

2017: **HRV Biofeedback** lv 3, issued by Biofeedback Fed. of Europe

2016: Qualified trainer Work Health & Safety, issued by AIFES Formazione

Check my verified publications & peer reviews from https://publons.com/researcher/3337236/menghini/

SELECTED TALKS & POSTER:

Menghini L., Balducci, C., Pastore, M., & Sarlo, M. Work Stress in Real-Time: Validation of Six Scales for the Intensive Longitudinal Assessment of Work Stress and Psychosocial Risk Factors. Talk *EAWOP 2019*, Turin (IT), May 29-31, 2019

Menghini L., et al. Accuracy of a commercial wearable in detecting sleep stages compared to polysomnography in adults: considering sleep classification methods and effects of evening alcohol consumption. Poster Sleep 2020 Virtual Meeting, Aug 27-30, 2020.

Menghini, L., Fuochi, G., Cellini, N., & Sarlo, M. Psychophysiology of Everyday Life: Daily Fluctuations in Affective, Cognitive and Physiological Processes. Poster *Cognitive Science Arena*, Brixen (IT), Feb 15-16, 2019.